BALANCES
COUNTING SCALES
BENCH SCALES
CHECKWEIGHERS
CONVEYOR SCALES
FLOOR SCALES
INDICATORS
WEIGHBRIDGES
RAILROAD SCALES
SOFTWARE
FORKLIFT SCALES
JUNCTION BOXES
SIGNAL PROCESSING
MONORAIL SCALES
PRINTERS
REMOTE DISPLAYS

Avery Weigh-Tronix Forklift Scales

FLSC

Seamlessly integrate and data management into your operation – without any extra steps.

Avery Weigh-Tronix

Avery Weigh-Tronix

The Avery Weigh-Tronix FLSC Forklift Scale System includes a durable, front-mounted scale carriage with accurate Weigh Bar® electronic weight sensors and a choice of two in-cab instruments. The system allows operators to easily and quickly capture weight data en route, without extra steps.

Fast, seamless weighing without any extra steps

IDEAL FOR WAREHOUSES, FREIGHT TERMINALS AND RECYCLING CENTRES

In many operations, weighing is considered an extra step that takes too much time. It's easier to estimate the weight than travel to a floor scale and wait for access. Guessing the weight costs businesses millions in revenue every year.

A forklift scale allows seamless integration of weighing and data management into your operation – without adding any extra steps or route changes.

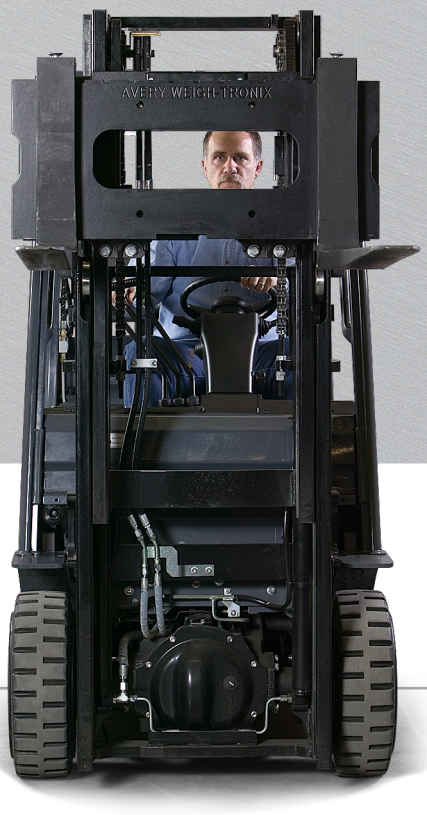
The FLSC Forklift Scale System was specifically developed for industrial/commercial applications and incorporates design features to weigh accurately under all conditions.

The FLSC is the latest model in a long line of reliable, robust forklift scales from Avery Weigh-Tronix going back over 25 years. We have the experience and knowledge to meet your needs.

Warehouses
The FLSC documents the flow of goods between departments. Weight data ensures correct and safe rack placement. With the wireless scale carriage option, forklifts with multi-stage masts can be used without fear of damaging the scale/indicator interface cable.

Cargo and Freight Terminals
Weight is the intregral component in determining fees for transporting freight, and properly distributing loads to avoid overload fines and unsafe conditions. The FLSC system is rugged and responsive, for the fast-paced terminal environment. It's easy for forklift operators to use, yet offers powerful data capture capabilities for corporate networks.

Recycling Centres
Bundled and palletised recycling materials, as well as waste can be weighed en route, without the driver diverting to a floor scale. This dramatically improves efficiency. The in-cab instrument's wireless option can transfer accurate weight data in real time to a back-office collection system.



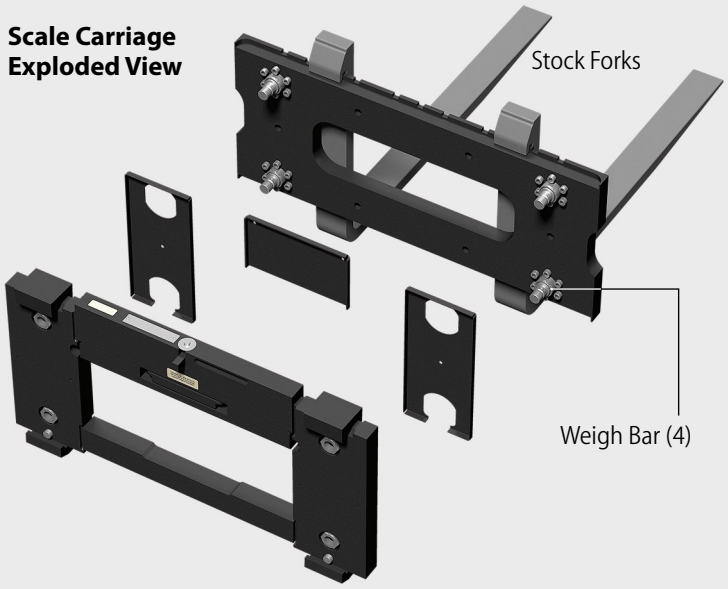
FLSC SCALE CARRIAGE – ROBUST & ACCURATE

The durability of the FLSC Scale Carriage is immediately apparent. The scale's patented design features two metal plates. The plates are coupled together by application-designed Avery Weigh-Tronix Weigh Bar weight sensors. This design has no flexures or springs that can affect weighing while the mast is tilted.

The Weigh Bars electronically measure the load on the forks and convey this information to embedded summing and angle detection electronics. Compiled digital information is then passed on to the in-cab indicator via a cable or optional wireless connection.

The entire carriage assembly is primed and finished with a high grade powder paint.

Scale Carriage Exploded View



Clear-view Opening
The FLSC scale carriage features a completely open centre area. The forklift operator can clearly see the fork tips *(above)*.

Easy Installation
The scale is attached to the existing forklift carriage and uses the forklift's existing forks. If needed, the scale and instrument system can be moved to another truck in minutes – a simple retrofit option.

Off-Axis Load Compensation
Four Weigh Bars are configured in such a way that off-centre or uneven conditions are compensated for, providing accurate weighing under virtually any conditions, even if the truck is on uneven ground, the mast is tilted, or the pallet load is off-centre.

- 29.5:1 Front loading safety factor
- 7.5:1 Normal load safety factor
- 300% Overload with no damage
- 2500 kg capacity
- Aircraft-quality steel Weigh Bars
- Fits ITA Class II cleated carriages
- Fully calibrated at the factory
- All electronic scale – no moving parts (flexures) to damage or break

Avery Weigh-Tronix Forklift Scales

Factory default touchscreen interface showing multiple data fields: *weight, date, time, records, pro number (ID), actual pieces, accumulated pieces, accumulated weight, and operator number. Also showing abort and complete soft keys.*

Inset: *Optional instrument-mounted barcode scanner.*

FLI 425 IN-CAB TOUCHSCREEN INSTRUMENT

The FLI 425 Instrument was designed exclusively for the forklift scale. It's a powerful component of an en route weighing system.

7" Touchscreen TFT Color LCD Display
Capable of displaying up to 19 different data fields simultaneously, each of which can be accessed via the touchscreen. Also displays operator "pop-ups", wireless status, on-demand diagnostics, alpha-numeric entry, stored records and metrological details.

4 Hard Keys
Operator training is fast; common keys are placed along the edge of the display: Power, F1 (for special applications), Store and Zero.

Windows CE.NET® Platform
Compatible with existing Information Systems infrastructure. Expandable into a data terminal device for Cross Docking.

Flexible Data Transmission
Stored data can be transmitted in a variety of ways: serial ports, USB (thumb drive), Ethernet or optional Wi-Fi (2.4GHz).

Cushioned Case Surround
The FLI 425 features a foam rubber surround, preventing injuries from accidental head contact.

- 32,000 stored transactions and audit viewer
- Automatic standby mode if left unattended
- Calibration validation
- Powered by forklift's electrical system
- Diagnostics Manager
  - Scale carriage
  - Communication ports
  - Compact Flash
  - Overload/Underload events
  - Wireless communications
  - Instrumentation
  - Many more
- Wireless scale carriage option

FLI 225 IN-CAB INSTRUMENT

The FLI 225 was designed for forklift scale users with simpler needs.

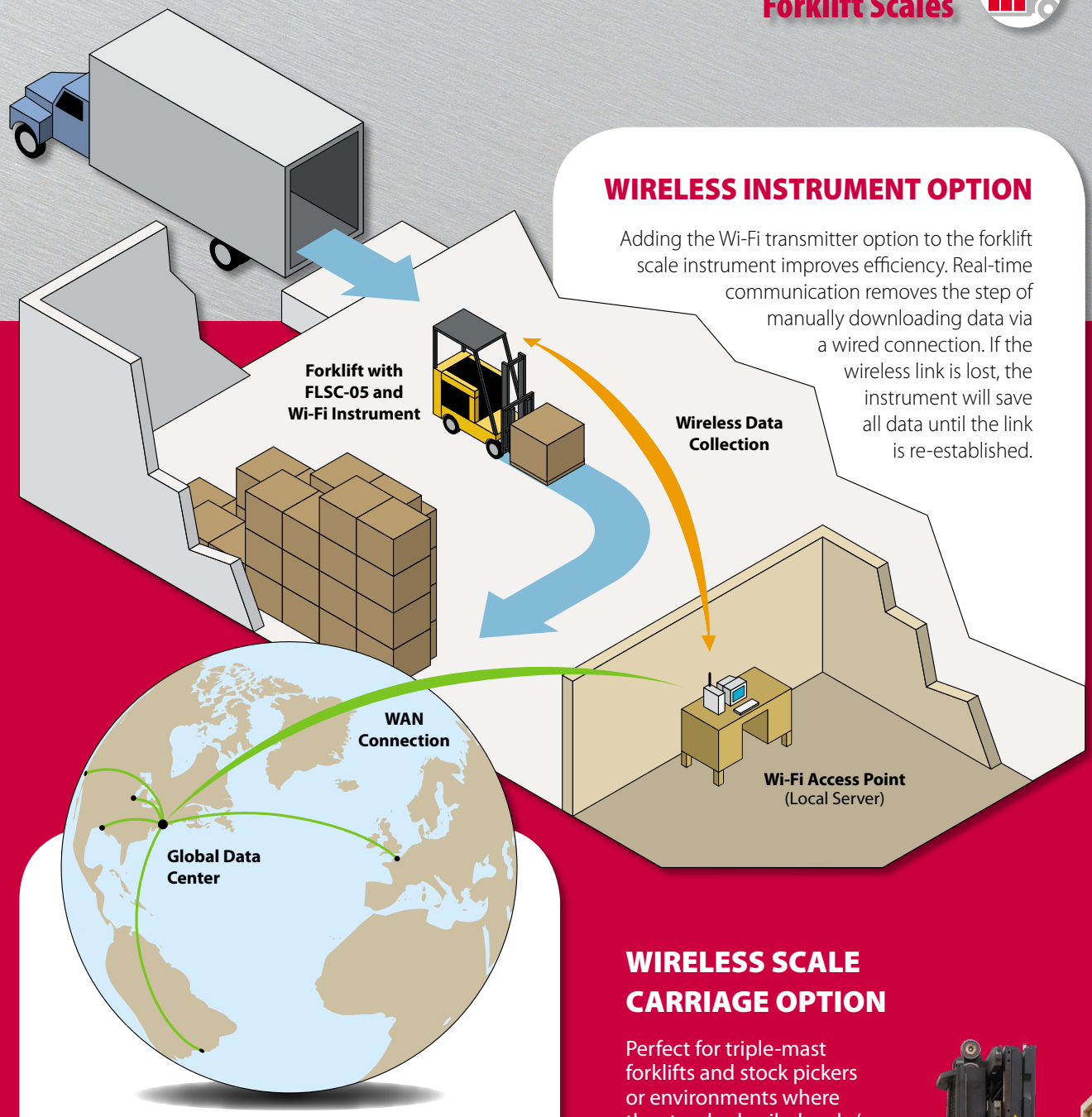
Fast View LCD Display
¾" high weight digits for great readability. Also displays multiple lines of other data. Crisp in bright conditions and backlit for dim areas.

9 Hard Keys
Limited number of keys to reduce operator confusion.

Dual Serial Ports
Serial ports for data transmission and peripheral connection. Optional Wi-Fi capability (2.4GHz).

- Classic/Expanded operation modes
- Automatic standby feature
- 350 transaction memory
- Transaction/Accumulator reports
- Powered by forklift's electrical system
- Instrument diagnostics mode
- Scale diagnostics mode
- Wireless scale carriage option

Avery Weigh-Tronix
Forklift Scales



WIRELESS INSTRUMENT OPTION

Adding the Wi-Fi transmitter option to the forklift scale instrument improves efficiency. Real-time communication removes the step of manually downloading data via a wired connection. If the wireless link is lost, the instrument will save all data until the link is re-established.

IDEAL FOR GLOBAL NETWORKS

The FLSC forklift scale system is the validation component for an intelligent data management solution. Data can be used locally and/or transferred via WAN to a central server or data centre. Information is available for use by account management to create an invoice, or inventory management for validation of inbound/outbound goods and stock management. Information communicated can include:

- Weight
- Estimated Weight
- Actual Pieces
- Employee ID
- Forklift ID
- Pro/Job Number (ID)
- Estimated Pieces
- Time/date of transaction
- Site Location
- Calibration Verification

WIRELESS SCALE CARRIAGE OPTION

Perfect for triple-mast forklifts and stock pickers or environments where the standard coiled scale/ instrument cable may be easily damaged.

OPTIONS

RM 100 FL Bluetooth® instrument/peripheral interface
(wireless barcode scanners)
FLR 100 in-cab remote display
Ruggedized barcode scanner
Instrument-mounted barcode scanner
FLP 100 power conditioner
(regulates power from forklift's electrical system)
Wi-Fi wireless CompactFlash card
(WiFi 802.11 b/g. FLI 425 only)
CompactFlash memory card
(internal memory. FLI 425 only)
USB thumbdrive
(manual data transfer. FLI 425 only)
FLW 100 wireless scale carriage kit
(carriage battery, carriage transmitter, instrument receiver, battery charger)

FLSC production line

ABOUT AVERY WEIGH-TRONIX

First established in 1731 in Birmingham England, Avery Weigh-Tronix has been an active force in advancing the state of scale design since 1813. Its products are recognised for durability that exceeds general industry standards and performance that reflects the latest advances in technology. Through customer satisfaction, Avery Weigh-Tronix has grown rapidly and is one of the world's largest manufacturers of commercial and industrial scales.

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